

OIB Fall Punta Arenas-2015 - Other: GV 09/10/15 Science Report

Aircraft:

Other: GV

Date:

Thursday, September 10, 2015

Mission:

OIB Fall Punta Arenas-2015

Mission Location:

Great Salt Lake, UT

Mission Summary:

~4 hour check out flight of the GV with LVIS and DMS installed was completed today.

Both LVIS and DMS operated with no issues. Three of the 4 IMU's worked well, however the 4th unit did not operate and will be investigated before the next flight.

The LVIS system collected good alignment data over the desert, numerous roll and pitch calibration maneuvers over water, and multiple passes over the ramp (ground GPS survey) at Broomfield. DMS also successfully collected data throughout the flight as well as during the calibration passes over the Broomfield ramp.

Images:

TF01



[Read more](#)

Submitted by:

John Woods on 09/11/15

Related Flight Report:

Other: GV 09/10/15

Flight Number:

1

Payload Configuration:

OIB Fall Punta Arenas-2015; LVIS, DMS

Nav Data Collected:

No

Total Flight Time:

4 hours

Submitted by:

John Woods on 09/11/15

Flight Segments:

From:	Jefferson County Airport, Broomfield, CO (KBJC)	To:	Jefferson County Airport, Broomfield, CO (KBJC)
Start:	09/10/15 16:00 Z	Finish:	09/10/15 20:00 Z
Flight Time:	4 hours		
Log Number:	15M046	PI:	John Woods
Funding Source:	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
Purpose of Flight:	Check		
Comments:	Test flight 01 (TF01) was a success today. The LVIS instrument performed well, so did DMS. One of the LVIS 610s had a GPS signal degradation but the second unit worked well, as did the DMS unit.		

Flight Hour Summary:

	15M046	16M026
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Flight Hours Approved in SOFRS	180	15
Flight Hours Previously Approved		109.5
Total Used	62.7	148.1
Total Remaining		-23.6

16M026 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
10/01/15	11	Science	1.8	1.8	122.7
10/03/15	12	Science	10.8	12.6	111.9
10/05/15	13	Science	11	23.6	100.9
10/07/15	14	Science	10.3	33.9	90.6
10/10/15	15	Science	10.5	44.4	80.1
10/12/15	16	Science	10.8	55.2	69.3
10/14/15 - 10/15/15	17	Science	9.3	64.5	60
10/17/15	17	Science	11.8	76.3	48.2
10/19/15	18	Other	2.2	78.5	46
10/20/15	19	Science	10.8	89.3	35.2
10/22/15	20	Science	10.9	100.2	24.3
10/25/15	21	Science	10.2	110.4	14.1
10/27/15 - 10/28/15	22	Science	11.1	121.5	3
10/29/15	23	Science	10	131.5	-7
10/31/15	24	Other	2.2	133.7	-9.2
11/01/15	25	Other	5.1	138.8	-14.3
11/02/15 - 11/03/15	26	Other	9.3	148.1	-23.6

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Page Last Updated: April 22, 2017

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Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

15M046 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
09/10/15	1	Check	4	4	176
09/11/15	2	Check	2.8	6.8	173.2
09/11/15 - 09/12/15	3	Check	1.7	8.5	171.5
09/17/15	4	Check	3.7	12.2	167.8
09/18/15	5	Transit	2.1	14.3	165.7
09/18/15 - 09/19/15	5	Transit	7.8	22.1	157.9
09/19/15	6	Transit	6.7	28.8	151.2
09/22/15	7	Science	10.5	39.3	140.7
09/24/15	8	Science	11	50.3	129.7
09/26/15	9	Science	9.8	60.1	119.9
09/29/15	10	Science	10.4	70.5	109.5